

About Our Presenters

Mr. Roger Byrne - Principal, Global Service Manager, GHD's Asset Management Group, Melbourne, Aus; principle author, International Infrastructure Management Manual; 30 years infrastructure management experience; author of over 40 manuals and guides; has executed over 100 AM audits; BCE, NPPE.

Mr. Roger Dolan (Panel Moderator) - President, IAM Corp; former utility CEO with over 30 years in utilities operations and management; primary author of WEF's Managing the Water/Wastewater Utility; recipient of numerous excellence awards; former President, WEF; P.E.; BSCE, MS Environmental Engineering.

Mr. Dave Evans - Managing Director, Hunter Water Corporation; over 28 years experience in utility management, economic policy and water resource management; past Chairperson of the Water Services Association of Australia; industry specialist in regulatory change and management and application of asset management in the water and wastewater sectors.

Mr. Lynn Norton - Western Director, Parsons Asset Management Center (PAMC); Former utilities director with over 28 years utility management experience; USEPA Operations Excellence Awards recipient; BA, MPA.

Mr. Duncan Rose - Technical Director, PAMC; Former city/county manager; co-author of WEF's Managing the Water/Wastewater Utility; 30 years infrastructure management; Adjunct Faculty, Florida State University, Askew School of Public Policy; BA, MSP, MAPA.

Mr. Doug Stewart - Asset Management Program Director, Orange County Sanitation District; 25 years engineering experience, 10 years utility management; P.E.; BS, MSCE.

Mr. Tony Wilson - General Manager Community Assets, New Plymouth District Council; initiator/Project Manager of New Zealand's national Asset Management program; 24 years infrastructure management; former president NZWWA; BE, FICE, FCIWEM, MIPENZ.

Mr. Kevin Young - Manager Corporate Planning, Hunter Water Corporation; over 24 years experience in infrastructure management and over 10 years experience as a practitioner in utility asset management; member of the Water Services Association of Australia strategic committee on asset management.

Asset Management Practitioners Workshop

A workshop for senior water & wastewater utility managers

Total Asset Management: The Australian/ New Zealand Experience

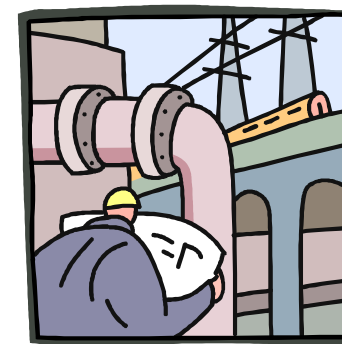
Western Workshop

October 23rd and 24th, 2002

Golden Gate Park

Hall of Flowers

(Arboretum)



Please reserve seating as early as possible. Due to limited seating, this workshop must be restricted to public officials only.

The workshop is funded by USEPA as a service to utility managers; there is no charge for the workshop.

Workshops will begin promptly at 8:00 am each day. Danish and buffet lunch will be provided.

Please sign-up by contacting:

Alison Cliatt

Administrative Specialist, Parsons Oakland

510.273.3657

510.835.4355 - fax

For additional information, suggested hotels and map to workshop location, please visit:

www.epa.gov/owm/featinfo or

www.parsons.com/environ/asset

**USEPA
OFFICE OF
WASTEWATER
MANAGEMENT**

**PARSONS
ASSET MANAGEMENT
CENTER (PAMC)**

Total Asset Management: The Australian/ New Zealand Experience



The Challenge:

Much of this country's core wastewater public infrastructure has now crossed the quarter-century mark. More importantly, much of it is severely stressed from overuse and the persistent under-funding of repair, rehabilitation and replacement. In an increasing number of communities, our existing asset base is deteriorating. And the demand for new infrastructure to accommodate growth presses unabated.

Acquiring federal and state funding to renew these assets at the level once available to create them will be a very challenging scenario at best. And ratepayers are increasingly resistant to rate increases. **How to close the widening gap in investment?**

A revitalized approach to managing our infrastructure assets is overdue - one that brings "state of the practice" concepts, tools, techniques and technologies to bear on managing our assets for sustainable, cost effective performance.

The Message:

Powerful, practical asset management tools have been developed and deployed in the water/wastewater industry in Australia, New Zealand, the British Isles and on the European continent for over a decade. What are these tools? What are the concepts? What really works? What governance structural changes, if any, are necessary to imbed asset management into the management mindset and organizational culture of our utilities? Systematically examining these questions with experienced practitioners could save years of "re-inventing the wheel" as the US begins to embrace asset management techniques and technologies in our utilities.

The Workshop:

Two workshops - one in the West and one in the East - will focus on identifying and examining "best management practices" as refined by practitioners "down under" over the past decade. The workshops will be presented by your peers - executive Utility Manager Practitioners from Australia and New Zealand who have been in the AM trenches and by Parsons Asset Management Center senior staff.

Presenters will address:

- ◆ What has been the payoff in specific, real terms for the transition to an AM paradigm? Was it worth it?
- ◆ What has worked and what has not? What factors were most relevant to success and what were not? What concepts, techniques and technologies work?
- ◆ What lessons have been learned over the past 15 years that should be passed to those just beginning to pursue asset management?
- ◆ If we had it to do over again, what would we do differently?
- ◆ How did we transition our organizations to an asset management based culture?

Wednesday, 23 October 8:00—5:00

- ◆ Introductions
- ◆ Background & Framework
- ◆ The Management Paradigm
 - Fundamental management concepts
 - * Sustainable performance at minimum "TCO" (Total Cost of Ownership)
 - * How assets fail
 - * Performance vs. service
 - * Risk/consequence tradeoffs
 - * Customer driven LOS
 - * Reliability centered management
 - * The AM knowledge cycle
 - * Continuous improvement
 - How TAM differs from US approach
 - Payoffs and benefits
 - Downsides
- ◆ Tools, Techniques & Technologies
 - Asset registers
 - Risk /consequence assessment
 - Failure mode and effects analysis
 - Condition-based mgt/decay modeling
 - Optimal renewal decision making

Thursday, 24 October 8:00—3:00

- ◆ TAM Driven Management Action
 - Making the business case
 - Driving AMORE—acquisition, maintenance, operations, and renewal
 - Breaking down the "silos"
- ◆ The Total Asset Management Plan
- ◆ Organizational Deployment
- ◆ The AM Audit - Best Appropriate Practices
- ◆ Highlights From Other Areas of the World
- ◆ Convergence - Panel & Audience Discussion